



Atty. Dkt. No. 032931-0246

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Andrew D. MURDIN et al.  
Title: CHLAMYDIA ANTIGENS AND  
CORRESPONDING DNA  
FRAGMENTS AND USES  
THEREOF

Appl. No.: 09/824,567

Filing Date: 04/03/2001

Examiner: Unassigned

Art Unit: 1624

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

**RELEVANCE OF EACH DOCUMENT**

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Date August 20, 2001

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Respectfully submitted,

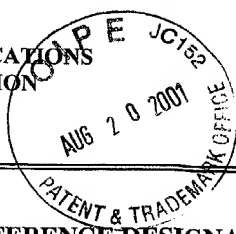
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By

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<b>Form PTO-1449 (Modified)</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)	Atty. Docket No. 032931/0246      Serial No. NOT ASSIGNED	
	Applicant ANDREW D. MURDIN et al.	
	Filing Date 04/03/2001	Group NOT ASSIGNED



### REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAM. INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROPRIATE

### FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO

### OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.)

A1	Grayston et al. (1995) <i>Journal of Infectious Diseases</i> 168:1231
A2	Campos et al. (1995) <i>Investigation of Ophthalmology and Visual Science</i> 36:1477
A3	Grayston et al. (1990) <i>Journal of Infectious Diseases</i> 161:618
A4	Marrie (1993) <i>Clinical Infectious Diseases</i> . 18:501
A5	Wang et al (1986) <i>Chlamydial infections</i> . Cambridge University Press, Cambridge. p. 329
A6	Saikku et al. (1988) <i>Lancet</i> ; ii:983
A7	Thom et al. (1992) <i>JAMA</i> 268:68
A8	Linnanmaki et al. (1993), <i>Circulation</i> 87:1130
A9	Saikku et al. (1992) <i>Annals Internal Medicine</i> 116:273
A10	Melnick et al (1993) <i>American Journal of Medicine</i> 95:499
A11	Shor et al. (1992) <i>South African Medical Journal</i> 82:158
A12	Kuo et al. (1993) <i>Journal of Infectious Diseases</i> 167:841
A13	Kuo et al. (1993) <i>Arteriosclerosis and Thrombosis</i> 13:1501
A14	Campbell et al (1995) <i>Journal of Infectious Diseases</i> 172:585
A15	Chiu et al (1997) <i>Circulation</i> . 96(7):2144-2148
A16	Ramirez et al (1996) <i>Annals of Internal Medicine</i> 125:979
A17	Jackson et al. Abst. K121, p272, 36th ICAAC, 15-18 Sept. 1996, New Orleans.
A18	Fong et al (1997) <i>Journal of Clinical Microbiology</i> 35:48
A19	Hahn DL, et al. "Evidence for Chlamydia pneumoniae infection in steroid-dependent asthma". <i>Ann Allergy Asthma Immunol.</i> 1998 Jan; 80(1): 45-49.
A20	Hahn DL, et al. "Association of Chlamydia pneumoniae IgA antibodies with recently symptomatic asthma". <i>Epidemiol Infect.</i> 1996 Dec; 117(3): 513-517.
A21	Bjornsson E, et al. "Serology of chlamydia in relation to asthma and bronchial hyperresponsiveness". <i>Scand J Infect Dis.</i> 1996; 28(1): 63-69.

A22	Hahn DL. "Treatment of Chlamydia pneumoniae infection in adult asthma: a before-after trial". J Fam Pract. 1995 Oct; 41(4): 345-351.
A23	Allegre L, et al. "Acute exacerbations of asthma in adults": Role of Chlamydia pneumoniae infection. Eur Respir J. 1994 Dec; 7(12): 2165-2168.
A24	Hahn DL, et al. "Association of Chlamydia pneumoniae (strain TWAR) infection with wheezing, asthmatic bronchitis, and adult-onset asthma". JAMA. 1991 Jul 10; 266(2): 225-230.
A25	Pal et al. (1996) <i>Infection and Immunity</i> . 64:5341
A26	Jones et al. (1995) <i>Vaccine</i> 13:715
A27	Igietseme et al (1993) <i>Regional Immunology</i> 5:317
A28	Magee et al (1993) <i>Regional Immunology</i> 5: 305
A29	Landers et al (1991) <i>Infection &amp; Immunity</i> 59:3774
A30	Magee et al (1995) <i>Infection &amp; Immunity</i> 63:516
A31	Cotter et al. (1995) <i>Infection and Immunity</i> 63:4704
A32	Campbell et al (1990) <i>Infection and Immunity</i> 58:93
A33	McCafferty et al (1995) <i>Infection and Immunity</i> 63:2387-9.
A34	Gaydos et al.; "Similarity of Chlamydia pneumoniae strains in the Variable Domain IV Region of the Major Outer Membrane Protein Gene"; <i>Infection and Immunity</i> ; 60(12):5319-5323. December 1992
A35	Wiedmann-Al-Ahmad M, et al. "Reactions of polyclonal and neutralizing anti-p54 monoclonal antibodies with an isolated, species-specific 54 kilodalton protein of Chlamydia pneumoniae". <i>Clin Diagn Lab Immunol</i> 1997 Nov; 4(6:700-704)
A36	Hughes et al., 1992. <i>Infect. Immun.</i> 60(9):3497,
A37	Dion et al., 1990. <i>Virology</i> 179:474-477,
A38	Snijders et al., 1991. <i>J. Gen. Virol.</i> 72:557-565,
A39	Langeveld et al., <i>Vaccine</i> 12(15):1473-1480, 1994
A40	Kunkel et al. <i>Proc. Natl. Acad. Sci. USA</i> (1985) 82:488
A41	Casey & Davidson, <i>Nucl. Acid Res.</i> (1977) 4:1539
A42	Cagnon et al., <i>Protein Engineering</i> (1991) 4(7):843
A43	Takase et al., <i>J. Bact.</i> (1987) 169:5692
A44	Perez Melgosa et al., <i>Infect Immun</i> (1994) 62:880
A45	Watson et al., <i>Nucleic Acids Res</i> (1990) 18:5299
A46	Watson et al., <i>Microbiology</i> (1995) 141:2489
A47	Melgosa et al., <i>FEMS Microbiol Lett</i> (1993) 112 :199
A48	Campbell et al., <i>J Clin Microbiol</i> (1990) 28 :1261
A49	Iijima et al., <i>J Clin Microbiol</i> (1994) 32:583
A50	<a href="http://chlamydia-www.berkeley.edu:4231/">Http://chlamydia-www.berkeley.edu:4231/</a>
A51	Bachmaier et al., <i>Science</i> (1999) 283:1335
A52	Ausubel et al.; "Current Protocols in Molecular Biology"; John Wiley & Sons Inc.; Vol. 1; 1993; 15 sheets
A53	Silhavy et al.; "Experiments with Gene Fusions"; Cold Spring

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 PATENT

		Harbor Laboratory Press; 1984; pp. 191-195
A54		David et al., "A Manual for Genetic Engineering: Advanced Bacterial Genetics" Cold Spring Harbor Laboratory Press; 1980; pp. 174-176
A55		Jackson et al., "Isolation of Chlamydia pneumoniae from a Carotid Endarterectomy Specimen" <i>The Journal of Infectious Diseases</i> (1997) 176:292-295
A56		Laitinen et al., "Chlamydia pneumoniae Infection Induces Inflammatory Changes in the Aorta of Rabbits" <i>Infection and Immunity</i> , Nov. 1997, vol. 65, no. 11, pp.4832-4835
A57		Rottenberg et al., "Role of Innate and Adaptive Immunity in the Outcome of Primary Infection with Chlamydia pneumoniae, as Analyzed in Genetically Modified Mice" , <i>The Journal of Immunology</i> (1999), 162:2829-2836
A58		Penttila et al., "Depletion of CD8 <sup>+</sup> cells abolishes memory in acquired immunity against Chlamydia pneumoniae in BALB/c mice" <i>Immunology</i> (1999) 97:490-496
A59		Knudsen et al., "Identification of Two Novel Genes Encoding 97- to 99-Kilodalton Outer Membrane Proteins of Chlamydia pneumoniae" <i>Infection and Immunity</i> , Jan. 1999, vol. 67, no. 1, pp.375-383
A60		Parker et al., "Peptide Binding to MHC Class I Molecules: Implications for Antigenic Peptide Prediction" <i>Immunol Res</i> (1995) 14:34-57
A61		Wishart et al., "SEQSEE: a comprehensive program suite for protein sequence analysis" (1994) <i>CABIOS</i> vol. 10, no. 2, pp. 121-132
EXAMINER		A61

EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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